

Certificate*

DIAGNOSTIC MEDICAL SONOGRAPHY (Ultrasound)

Looking inside your future.

Sonography is a diagnostic tool that allows medical professionals to literally see inside a patient, to find out what is ailing them. Best known as ultrasound and for its use in pregnancies, it is also increasingly being used in the treatment and detection of heart disease, heart attack and vascular disease that can lead to strokes. Our 16-month program at Carrington College® is a mix of classroom work, lab practice and clinical field experience in which students learn how to perform sonography, take measurements, calculate values and analyze results. It culminates in a Certificate of Achievement in Diagnostic Medical Sonography.**

*According to the U.S. Bureau of Labor Statistics, employment of diagnostic medical sonographers is expected to grow 44% by 2020.****

For comprehensive consumer information visit carrington.edu/degrees/ultrasound-technician

*Program availability varies by location. Carrington College reserves the right to update information as it becomes available. Information is current at the time of printing. For the most updated information, visit carrington.edu.

**Carrington College prepares students to take appropriate certification and licensure exams related to their individual majors. The College does not guarantee students will successfully pass these exams or be certified or licensed as a result of completing the program.

***Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook (2012-13 Ed.)



DUTIES MAY INCLUDE:

- Using specialized equipment to create images of structures inside the body
- Detect heart disease, heart attack and vascular disease
- Communicating results of diagnostic examinations

POSSIBLE EMPLOYMENT OPPORTUNITIES:

- Physicians' offices
- Hospitals
- Nursing homes



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877-623-1441
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STUDENT LEARNING OUTCOMES

Upon completion of the Diagnostic Medical Sonography program, graduates will be able to:

- Perform sonography according to protocol guidelines established by national professional organizations.
- Demonstrate proficiency in critical thinking and information management.

ADMISSION/PROGRAM REQUIREMENTS

Candidates for admission must:

- Have graduated from an allied health program of at least 60-semester credit hours with an associate degree that includes a clinical or externship component (including, but not limited to, radiologic technology, medical assisting, occupational or physical therapy, nursing, and respiratory or possession of a bachelor's degree in any major).
- Meet with the Diagnostic Medical Sonography program director for a general information seminar and interview.

Prior to Clinical Rotations students must:

- Provide negative TB test results. (If test results are more than 12 months old, they must be from a two-step test.) If applicants have a history of a positive TB test, a chest X-ray is required.
- Provide proof of childhood MMR immunization or Titer.
- Provide proof of Hepatitis B vaccination or written refusal.
- Provide proof of chickenpox immunization (in the absence of a history of having had chickenpox).
- Submit to drug screening and background checks immediately prior to clinical rotations, the results of which could affect eligibility to participate in clinical rotations.

PROGRAM REQUIREMENTS - Mesa

Diagnostic Medical Sonography courses may be taken in any order except when determined by prerequisites.

Diagnostic Medical Sonography Courses		Lecture Hours	Lab Hours	Clinical Hours	Semester Credit Hours
DMS 101	Introduction to Sonography [^]	30	0	0	2
DMS 120	Sonographic Cross-Sectional Anatomy and Physiology 1 [^]	70	20	0	5
DMS 130	Ultrasound Physics and Instrumentation [^]	80	30	0	6
DMS 140	Sonography Lab 1 [^]	0	100	0	3
DMS 151	Abdominal Sonography: Adults and Pediatrics [^]	60	30	0	5
DMS 160	Sonographic Cross-Sectional Anatomy and Physiology 2 [^]	30	15	0	2.5
DMS 165	Introduction to Vascular Ultrasound [^]	40	10	0	2.5
DMS 170	Sonography Lab 2 [^]	0	90	0	3
DMS 201	OB/GYN Sonography [^]	60	0	0	4
DMS 248	Clinical Preceptorship 1 [^]	0	0	640	14
DMS 214	Case Study [^]	15	0	0	1
DMS 299	Clinical Preceptorship 2 [^]	0	0	610	13
DMS 300	Registry Review [^]	30	0	0	2
Total for Certificate		415	295	1250	63

[^]Core course

Approximate time to complete certificate program: 64 weeks